

# EXHIBIT A

## (Part 4 of 4)

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

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CONTRACTOR : LOCKHEED ENVIRON. SYSTEMS & TECH. CO.

CONTRACT NUMBER : 68-D1-0158

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PERIOD OF PERFORMANCE: 12/01/95 to 12/29/95

DESCRIPTION OF WORK: Analyze 9 samples for volatile compounds

SUPPORTING DOCUMENTATION: Copies of Technical Instruction Documents,  
Work Unit Documents and Acknowledgments of Completion

BSAI 082229

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 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

CONTRACTOR : LOCKHEED ENV SYSTEMS & TECH CO  
 CONTRACT NUMBER : 68-D6-0002  
 PROJECT OFFICER : COLLEEN K. WALLING  
 DATES OF SERVICE : FROM :02/17/1997 TO :05/18/1997  
 SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
 TOTAL COSTS : \$ 2,108.51

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
6109594	04/11/1997	405,534.00	R7674 06/02/1997	850.63	1,209.42
ESTE0572	06/05/1997	383,221.38	R7730 06/23/1997	20.01	28.45
				----- 870.64	----- 1,237.87

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BOARHEAD FARMS, PA SITE ID = 03 Y2

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PAST COSTS THROUGH JULY 31, 2000

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

CONTRACTOR : LOCKHEED ENV SYSTEMS & TECH CO

CONTRACT NUMBER : 68-D6-0002

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
6109594	R7674	National- Provisional	1.421789
ESTE0572	R7730	National- Provisional	1.421789

Contractor Information

TECHNICAL DIRECTION DOCUMENT NO.: 124  
PERIOD OF PERFORMANCE: 01/06/97 to 02/03/97

DESCRIPTION OF WORK: Review the organic data for case 25236 (Boarhead Farms)

TECHNICAL DIRECTION DOCUMENT NO.: 231  
PERIOD OF PERFORMANCE: 01/24/97 to 03/05/97

DESCRIPTION OF WORK: Review the inorganic data for case 25236 (Boarhead Farms)

SUPPORTING DOCUMENTATION: Copies of Technical Direction Documents

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

CONTRACTOR : ROY F. WESTON, INC.  
 CONTRACT NUMBER : 68-01-7443  
 PROJECT OFFICER : LYNN M. BEASLEY  
 DATES OF SERVICE : FROM :11/26/1988 TO :03/29/1991  
 SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
 TOTAL COSTS : \$ 34,621.05

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
20	01/10/1989	312,836.49	R8798 06/28/1988	1,211.41	1,722.37
21	02/17/1989	326,009.79	08831 03/27/1989	1,464.14	2,081.70
212	03/12/1991	413,853.50	R9343 04/11/1991	11,613.06	16,511.32
214	04/16/1991	525,276.98	R9395 06/25/1991	7.04	10.01
				----- 14,295.65	----- 20,325.40

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PAST COSTS THROUGH JULY 31, 2000

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-01-7443

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
20	R8798	National- Provisional	1.421789
21	08831	National- Provisional	1.421789
212	R9343	National- Provisional	1.421789
214	R9395	National- Provisional	1.421789

Contractor Information

TECHNICAL INSTRUCTION DOCUMENT (TID) NO.: 038812206  
PERIOD OF PERFORMANCE: 12/08/88 to 01/30/89

DESCRIPTION OF WORK: Digest samples for ICP and furnace analysis

TID NO.: 03910218  
PERIOD OF PERFORMANCE: 01/27/91 to 10/07/91

DESCRIPTION OF WORK: Validation of Organic CLP and/or Non-CLP Sample  
Data

TID NO.: 03910219  
PERIOD OF PERFORMANCE: 01/27/91 to 09/20/91

DESCRIPTION OF WORK: Validation of Inorganic CLP and/or Non-CLP Sample,  
Data

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

ENVIRONMENTAL SERVICES ASSISTANCE TEAMS (ESAT)

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-01-7443

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SUPPORTING DOCUMENTATION: Copies of Technical Instruction Documents  
and Acknowledgments of Completion

BSAI 082234

SECTION 18 - PAGE 1  
REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

FIELD INVESTIGATION TEAM (FIT) CONTRACT COSTS

CONTRACTOR : HALLIBURTON NUS CORPORATION  
CONTRACT NUMBER : 68-01-7346  
PROJECT OFFICER : ROBERT HEFFERNON  
DATES OF SERVICE : FROM :07/26/1987 TO :09/26/1987  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHER  
TOTAL COSTS : \$ 2,298.45

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
10	09/08/1987	1,632,247.50	R8548 10/15/1987	899.19	1,160.20
11	10/06/1987	1,351,073.48	R8554 11/05/1987	104.38	134.68
				----- 1,003.57	----- 1,294.88

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

FIELD INVESTIGATION TEAM (FIT) CONTRACT COSTS

CONTRACTOR : HALLIBURTON NUS CORPORATION

CONTRACT NUMBER : 68-01-7346

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
10	R8548	Region - Final	1.290277
11	R8554	Region - Final	1.290277

Contractor Information

TECHNICAL DIRECTIVE DOCUMENT (TDD) NO.: F3-8707-31  
 PERIOD OF PERFORMANCE: 10/20/87 to 09/15/87

DESCRIPTION OF WORK: ADDRESS PEER REVIEW COMMENTS FOR THE SUBJECT SITE  
 BOARHEAD FARMS, UPPER BLACK EDDY. BUCKS CO., PA

- 1) Review peer review comments
- 2) Address the peer review comments
- 3) Finalize the draft HRS report prepared under TDD No. F3-8602-37

SUPPORTING DOCUMENTATION: Technical Directive Document and  
 Acknowledgment of Completion

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

FEDERAL AGENCY : U.S. ARMY CORPS OF ENGINEERS  
IAG NUMBER : DW96943756  
PROJECT OFFICER : JAMES HARPER  
DATES OF SERVICE : FROM :10/01/1994 TO :11/30/1996  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 134,376.33  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
B02957071	10/31/1994	484.45	A94329 11/29/1994	484.45
B04957088	12/31/1994	209.09	A95024 01/26/1995	209.09
B05957076	01/31/1995	1,711.04	A95053 02/24/1995	1,711.04
B06957086	02/28/1995	19,723.93	A95082 03/27/1995	19,723.93
B07957087	03/31/1995	14,942.10	A95114 04/26/1995	14,942.10
B08957074	04/30/1995	258.68	A95143 05/25/1995	258.68
B03967070	11/30/1995	3,869.69	A96005 01/09/1996	3,869.69
B04967074	12/31/1995	9,767.42	A96032 02/05/1996	9,767.42
B05967072	01/31/1996	4,769.39	A96053 02/26/1996	4,769.39
B06967080	02/29/1996	483.47	A96086 03/28/1996	483.47
B07967067	03/31/1996	486.19	A96114 04/25/1996	486.19
B08967065	04/30/1996	14,073.47	A96149 05/30/1996	14,073.47
B09967075	05/31/1996	27,375.95	A96178 06/28/1996	27,375.95
B10967070	06/30/1996	3,341.52	A96204 07/24/1996	3,341.52
B11967080	07/31/1996	2,032.41	A96235 08/26/1996	2,032.41
B12967067	08/31/1996	459.82	A96268 09/26/1996	459.82
B02977054	10/31/1996	162.71	A96331 11/29/1996	162.71
B02977381	11/30/1996	225.00	A96352 12/19/1996	225.00
JV2798947	09/03/1998	0.00	2798947 09/03/1998	30,000.00
				-----
				134,376.33

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. ARMY CORPS OF ENGINEERS

CONTRACT NUMBER : DW96943756

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Contractor Information

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INTERAGENCY AGREEMENT NO.: DW96943756  
PERIOD OF PERFORMANCE: 09/12/94 TO 12/31/96

DESCRIPTION OF WORK: NON-TIME CRITICAL RESPONSE AT THE BOARHEAD  
FARMS SUPERFUND SITE, BUCKS COUNTY, PA

Under this Iteragency Agreement (IAG) the U.S. Army Corps of Engineers (USACE), Omaha , Nebraska will support a non-time critical removal action under CERCLA at the Boarhead Farms Superfund Site, Bucks County, Pennsylvania. This work will be conducted while the RI/FS is ongoing and will be divided into two phases since the removal action has not been decided at this time.

The first phase of the work will consist of review of site information and support required to evaluate alternatives to address contaminated ground water at the site and to remove drums suspected to be buried underneath the farm house onsite. The second phase will be to execute the interim response action recommended by EPA.

Phase I

Review background information about the site and conduct a site visit.

Submit engineering report and cost analysis evaluating feasibility of removing drums suspected to be buried below the farm house onsite, including evaluation of real estate issues involved with drum removal.

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. ARMY CORPS OF ENGINEERS  
CONTRACT NUMBER : DW96943756

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Provide technical assistance to EPA in determining feasibility  
of implementing interim response action selected by EPA Region III.

Phase II

Upon completion of an Action Memo, a response action will be conducted by the USACE through the rapid response program. The work conducted by the USACE is expected to include, but not be limited to, the design, procurement and operation of appropriate system(s) to:

- 1) Contain, recover, and/or treat onsite ground water.
- 2) Provide adequate protection of residential wells using carbon filtration units as necessary.
- 3) Remove and dispose of buried drums onsite.

SUPPORTING DOCUMENTATION: Copy of Interagency Agreement No. DW96943756 and Scope of Work; Copies of Interagency Agreement Amendments NO. 1 & 2

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

FEDERAL AGENCY : U.S. ARMY CORPS OF ENGINEERS  
IAG NUMBER : DW96943816  
PROJECT OFFICER : JAMES HARPER  
DATES OF SERVICE : FROM :05/24/1996 TO :02/25/2000  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 1,609,743.38  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
1	06/25/1996	17,228.86	A96184 07/05/1996	17,228.86
2	07/02/1996	39,460.56	A96199 07/19/1996	39,460.56
B10967074	06/30/1996	29,385.70	A96208 07/30/1996	29,385.70
B11967086	07/31/1996	16,477.52	A96235 08/26/1996	16,477.52
3	08/30/1996	23,315.96	A96254 09/12/1996	23,315.96
4	09/03/1996	22,967.41	A96255 09/13/1996	22,967.41
B12967073	08/31/1996	6,545.15	A96268 09/26/1996	6,545.15
B12967284	09/30/1996	2,816.05	A96297 10/25/1996	2,816.05
5	10/18/1996	2,967.45	A96302 10/30/1996	2,967.45
6	10/31/1996	5,565.32	A96318 11/15/1996	5,565.32
B02977057	10/31/1996	9,223.42	A96334 12/03/1996	9,223.42
B02977386	11/30/1996	9,667.65	A96352 12/19/1996	9,667.65
7	12/18/1996	58,675.67	A96361 12/30/1996	58,675.67
8	01/21/1997	203,301.42	A97041 02/12/1997	203,301.42
9	02/10/1997	216,824.14	A97049 02/20/1997	216,824.14
00402036	01/31/1997	1,793.30	A97069 03/12/1997	1,793.30
00402411	03/01/1997	2,451.27	A97084 03/27/1997	2,451.27
00402875	04/01/1997	1,516.79	A97106 04/18/1997	1,516.79
10	03/11/1997	89,454.65	A97118 04/30/1997	89,454.65
11	04/22/1997	20,132.62	A97120 05/02/1997	20,132.62
12	05/13/1997	45,593.15	A97141 05/23/1997	45,593.15

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

CONTRACTOR : U.S. ARMY CORPS OF ENGINEERS

CONTRACT NUMBER : DW96943816

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
00403539	05/01/1997	990.80	A97162 06/13/1997	990.80
00403957	05/31/1997	1,225.11	A97175 06/26/1997	1,225.11
13	06/18/1997	221,306.04	A97177 06/30/1997	121,211.37
13	06/18/1997	221,306.04	A97177 06/30/1997	100,094.67
00405200	06/01/1997	1,979.87	A97209 07/30/1997	1,979.87
14	07/23/1997	104,226.16	A97213 08/05/1997	104,226.16
00405433	07/11/1997	2,035.68	A97246 09/05/1997	2,035.68
00406129	09/01/1997	1,017.84	A97261 09/22/1997	1,017.84
15	09/15/1997	43,490.98	A97267 09/26/1997	43,490.98
16	09/17/1997	76,059.27	A97267 09/26/1997	55,584.28
16	09/17/1997	76,059.27	A97267 09/26/1997	20,474.99
00406881	09/28/1997	10,190.52	A97296 10/27/1997	10,190.52
17	10/20/1997	66,480.28	A97297 10/28/1997	66,480.28
18	11/12/1997	42,169.47	A97324 11/24/1997	42,169.47
28000060	11/03/1997	1,190.62	A97328 11/26/1997	1,190.62
20	01/21/1998	42,907.51	A98028 01/30/1998	42,907.51
21	02/11/1998	7,551.00	A98051 02/24/1998	7,551.00
22	03/02/1998	21,068.85	A98071 03/16/1998	21,068.85
23	04/10/1998	8,385.62	A98107 04/21/1998	8,385.62
28002989	04/01/1998	1,018.84	A98107 04/21/1998	1,018.84
28003677	05/01/1998	21,762.32	A98138 05/20/1998	21,762.32
24	05/19/1998	24,975.77	A98142 05/27/1998	24,975.77
25	06/16/1998	7,333.83	A98174 06/25/1998	7,333.83
26	07/15/1998	10,111.31	A98204 07/27/1998	10,111.31
28005097	07/01/1998	3,229.88	A98205 07/28/1998	3,229.88
27	08/10/1998	13,291.58	A98229 08/19/1998	13,291.58

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

CONTRACTOR : U.S. ARMY CORPS OF ENGINEERS

CONTRACT NUMBER : DW96943816

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
JV2798947	09/03/1998	0.00	2798947 09/03/1998	-30,000.00
28005965	08/01/1998	3,507.63	A98245 09/04/1998	1,736.67
28005965	08/01/1998	3,507.63	A98245 09/04/1998	1,770.96
28006733	09/02/1998	27,092.64	A98261 09/22/1998	27,092.64
30	11/13/1998	18,440.81	A98324 11/24/1998	18,440.81
28008407	11/02/1998	4,209.46	A98329 11/30/1998	4,209.46
31	12/03/1998	7,436.38	A98350 12/18/1998	7,436.38
28009118	12/01/1998	4,001.09	A98351 12/21/1998	4,001.09
32	01/08/1999	10,434.49	A99015 01/20/1999	10,434.49
50	07/05/2000	5,257.67	ACHC00195 07/17/2000	5,257.67
				-----
				1,609,743.38

Contractor Information

INTERAGENCY AGREEMENT (IAG) NO.: DW96943816  
PERIOD OF PERFORMANCE: 10/02/95 TO 08/31/00

DESCRIPTION OF WORK: NON-TIME CRITICAL RESPONSE ACTION

U.S. Army Corps of Engineers will support a non-time critical removal action under CERCLA at the Boarhead Farms Superfund Site, Bucks County, Pennsylvania. This work will be conducted while the RI/FS is ongoing and will be divided into two phases.

The first phase of the work will consist of review of site information and support required to evaluate alternatives to address contaminated ground water both onsite and offsite (residential wells). The second

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PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. ARMY CORPS OF ENGINEERS

CONTRACT NUMBER : DW96943816

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phase will be to execute the interim response action recommended by EPA.

Phase I

Review background information about the site and conduct a site visit.

Submit engineering report and cost analysis evaluating feasibility of removing drums suspected to be buried below the farm house onsite, including evaluation of real estate issues involved with drum removal.

Provide technical assistance to Region III in determining feasibility of implementing interim response action selected by EPA Region III.

Phase II

A response action will be conducted by the USACE through the rapid response program. The work conducted will include, but not be limited to, the design, procurement, and startup of appropriate system(s) to:

- 1) Contain, recover, and/or treat onsite ground water with onsite discharge of the treated ground water.
- 2) Provide adequate protection of residential wells using carbon filtration units as determined by EPA.

The USACE will be responsible for the design, construction, and construction oversight of the project.

SUPPORTING DOCUMENTATION: Copy of Interagency Agreement No. DW96943816

BSAI 082243



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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. ARMY CORPS OF ENGINEERS

CONTRACT NUMBER : DW96943816

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and Scope of Work; Copies of Interagency Agreement Amendments No. 1  
through 6

BSAI 082244

SECTION 21 - PAGE 1  
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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

FEDERAL AGENCY : U.S. DEPARTMENT OF INTERIOR  
IAG NUMBER : DW14943728  
PROJECT OFFICER : HARRY HARBOLD  
DATES OF SERVICE : FROM :08/16/1994 TO :08/17/1995  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 85,251.72  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
00914574	08/16/1994	5,671.94	11116 08/16/1994	5,671.94
00914800	09/21/1994	5,159.66	11517 09/21/1994	5,159.66
00915069	10/26/1994	12,740.16	08249 10/26/1994	12,740.16
00915211	11/28/1994	6,569.30	08624 11/28/1994	6,569.30
00915388	12/27/1994	11,989.53	09014 12/27/1994	11,989.53
00915610	01/23/1995	27,879.10	09421 01/23/1995	27,879.10
00915764	02/23/1995	2,415.25	09765 02/23/1995	2,415.25
00915914	03/23/1995	6,877.00	10114 03/23/1995	6,877.00
00916133	04/26/1995	5,057.35	10616 04/26/1995	5,057.35
00916326	06/07/1995	731.98	11023 06/07/1995	731.98
00916491	06/28/1995	-320.75	11323 06/30/1995	-320.75
00916925	08/17/1995	481.20	11908 08/31/1995	481.20
				-----
				85,251.72

Contractor Information

INTERAGENCY AGREEMENT NO.: DW14943728  
PERIOD OF PERFORMANCE: 03/01/94 to 12/31/96

DESCRIPTION OF WORK: ENGINEERING EVALUATION/COST ANALYSIS (RI/FS)  
FOR BOARHEAD FARMS SUPERFUND SITE, BUCKS  
COUNTY, PA

BSAI 082245

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. DEPARTMENT OF INTERIOR

CONTRACT NUMBER : DW14943728

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Under this Interagency Agreement (IAG), the Bureau of Reclamation will conduct engineering work prior to a non-time critical removal action under CERCLA at the Boarhead Farms Site. This work will be divided into two phases and will be conducted while the RI/FS is ongoing. The first phase of the work will consist of assistance in development of the Engineering Evaluation/Cost Analysis (EE/CA) for (1) contaminated shallow ground water on-site and (2) removal of drums suspected to be buried underneath the farm house onsite.

The second phase of the work will commence following approval of the funding request to implement the non-time critical removal action based on the EE/CA evaluation. A revised scope of work and funding level will be prepared when the removal action is selected.

Phase 1

The scope of work to support the EE/CA activities will include, but not be limited to, the following:

1. A review of EPA's RI/FS files pertinent to ground water conditions at the site.
2. A review of EPA's files pertinent to past drum removal activities at the site.
3. Submittal of a report with evaluation of technical feasibility and cost analysis of at least two alternatives selected by EPA and a no-action alternative to minimize migration of contaminated ground water through installation of a containment system and

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. DEPARTMENT OF INTERIOR

CONTRACT NUMBER : DW14943728

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installation of an appropriate treatment system. EPA anticipates that containment and treatment likely will be accomplished through a ground water pump and treatment system. EPA will install ground water wells onsite and conduct pump tests to determine flow rate and ground water composition.

4. Submittal of an engineering report and cost analysis evaluating technical feasibility of removing drum suspected to be buried below the farm house onsite, including impact on the existing house structure.

5. Evaluation of the most cost effective alternative for removal/treatment of ground water generated during EPA pump tests and implementation of that alternative.

Phase 2

The scope of work to implement the removal action based on the EE/CA will include, but not be limited to, the following:

1. Design, procure, and operate the appropriate ground water recovery and treatment system.
2. Remove and dispose of buried drums onsite.
3. Dispose of waste streams from the removal action.

SUPPORTING DOCUMENTATION: Copy of Interagency Agreement #DW14943728 and Scope of Work; Copies of Interagency Agreement Amendments No. 1 and 2

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PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. DEPARTMENT OF INTERIOR

CONTRACT NUMBER : DW14943728

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

FEDERAL AGENCY : U.S. GEOLOGICAL SURVEY  
IAG NUMBER : DW14943718  
PROJECT OFFICER : HARRY HARBOLD  
DATES OF SERVICE : FROM :03/24/1995 TO :01/23/1997  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 194,882.26  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
13153986	03/24/1995	96,202.26	10147 03/24/1995	22,984.00
13153986	03/24/1995	96,202.26	10147 03/24/1995	73,218.26
13154912	05/23/1995	46,598.00	10862 05/23/1995	46,598.00
13159668	04/30/1996	22,818.00	10356 04/30/1996	22,818.00
13160628	07/24/1996	22,554.00	11354 07/31/1996	22,554.00
13145455	01/23/1997	6,710.00	09113 01/31/1997	6,710.00
				-----
				194,882.26

Contractor Information

INTERAGENCY AGREEMENT NO.: DW14943718  
PERIOD OF PERFORMANCE: 03/31/94 TO 03/31/97

DESCRIPTION OF WORK: PROVIDE TECHNICAL ASSISTANCE DURING THE  
REMEDIAL INVESTIGATION (RI)

The Pennsylvania District of the U.S. Geological Survey (USGS) will provide hydrogeologic investigations for the U.S. Environmental Protection Agency (USEPA) Superfund Program during remedial investigation of the Boarhead Farms Superfund Site, Bridgeton Township, Bucks County, Pennsylvania. The USEPA has requested the assistance of the USGS in

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BOARHEAD FARMS, PA SITE ID = 03 Y2

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PAST COSTS THROUGH JULY 31, 2000

INTERAGENCY AGREEMENT (IAG) COSTS

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CONTRACTOR : U.S. GEOLOGICAL SURVEY  
CONTRACT NUMBER : DW14943718

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the Boarhead Farms Remedial Investigation to provide geophysical logging in 5 to 8 boreholes.

Borehole geophysical logging and a borehole television survey will be performed by USGS to (1) locate subsurface fractures; (2) identify, where possible, important water-bearing fractures; (3) identify zones of potential borehole flow; and (4) measure directions and rates of borehole flow. These data will be used to help EPA's contractor define the local geology and ground water flow system.

SUPPORTING DOCUMENTATION: Copy of Interagency Agreement No. DW14943718;  
Copies of Interagency Agreement Amendments No. 1, 2 and 3

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

MISCELLANEOUS (MIS) COSTS

BOARHEAD FARMS, PA SITE ID - 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

MISCELLANEOUS (MIS) COSTS

VENDOR	PROCUREMENT NUMBER	SUMMARY OF SERVICE	SERVICE DATE	VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	SCHED. NUMBER	SCHEDULE DATE	SITE AMOUNT
ALLENTOWN MORNING CALL	9P3021NASA	ADVERTISEMENT	12/03/1998	265926-9849	12/05/1998	270.90	A99004	01/06/1999	270.90
Vendor Total \$						270.90			270.90
BUCKS COUNTY INTELLIGENCER	4P3000NASA	AD FOR PUBLIC MEET	10/04/1993	55542556	10/31/1993	211.84	A93337	12/07/1993	211.84
Vendor Total \$						211.84			211.84
DELAWARE VALLEY NEWS	9P3022NASA	ADVERTISEMENT	12/17/1998	12980095	12/31/1998	350.00	A99029	02/02/1999	350.00
Vendor Total \$						350.00			350.00
INTELLIGENCER/RECORD	5P3224NASA	ADVERTISEMENT	10/31/1995	022505501	10/31/1995	239.09	A95348	12/18/1995	239.09
Vendor Total \$						239.09			239.09
ROBERT W. HARLEY REPORTING SER	7P0468NATA	TRANSCRIBER SERVIC	03/12/1997		03/20/1997	382.00	A97104	04/16/1997	382.00
ROBERT W. HARLEY REPORTING SER	7P0504NASA	STENOGRAPHY SERVIC	02/27/1997		03/04/1997	425.90	A97086	03/31/1997	425.90
Vendor Total \$						807.90			807.90

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MISCELLANEOUS (MIS) COSTS

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

MISCELLANEOUS (MIS) COSTS

VENDOR	PROCUREMENT NUMBER	SUMMARY OF SERVICE	SERVICE DATE	VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	SCHED. NUMBER	SCHEDULE DATE	SITE AMOUNT
ROCKY MTN BANKCARD	97BK030946	AFFIDAVITS	12/10/1996		01/17/1997	1228.00	0297	03/20/1997	1228.00
ROCKY MTN BANKCARD	97BK040976	TRANSCRIBER SERVIC	/ /		03/13/1997	90.00	0497	05/16/1997	90.00
ROCKY MTN BANKCARD	97BK040976	TRANSCRIBER SERVIC	/ /		/ /	0.00	051997	11/12/1997	311.35
ROCKY MTN BANKCARD	97BK080946	TRANSCRIBER SERVIC	06/12/1997		/ /	0.00	051997	11/12/1997	205.00 (A)
ROCKY MTN BANKCARD	97BK080946	TRANSCRIBER SERVIC	06/12/1997		/ /	226.50	1098	11/28/1997	226.50
ROCKY MTN BANKCARD	97BK090946	CONF. ROOM RENTAL	06/04/1997		06/04/1997	100.00	1098	11/28/1997	100.00
Vendor Total \$						2160.85			
SOUTHWEST LABORATORY	BK046834	ANALYTICAL SERVICE	/ /		12/30/1999	300.00	ACHC00014	01/18/2000	300.00
Vendor Total \$						300.00			
THE INTELLIGENCER RECORD	9P3020NASA	ADVERTISEMENT	12/03/1998	048593005	12/31/1998	279.10	A99033	02/04/1999	279.10

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MISCELLANEOUS (MIS) COSTS  
BOARHEAD FARMS, PA SITE ID - 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

MISCELLANEOUS (MIS) COSTS

VENDOR	PROCUREMENT NUMBER	SUMMARY OF SERVICE	SERVICE DATE	VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	SCHED. NUMBER	SCHEDULE DATE	SITE AMOUNT
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Vendor Total \$

279.10

Total Miscellaneous Costs: \$

4619.68

DOCUMENTATION : COPIES OF APPLICABLE PAID VOUCHERS AND TREASURY SCHEDULES

Footnotes

(A) Document requested from Cincinnati.

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

OTHER COSTS

CONTRACTOR : DYNACORP - CLASS CONTRACT  
CONTRACT NUMBER : 68-D4-0104  
PROJECT OFFICER : LUCINDA TAYLOR  
DATES OF SERVICE : FROM :11/04/1994 TO :05/25/2000  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 6,219.96

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
0-3	12/15/1994	313,236.58	R5279 01/19/1995	713.01	322.36
0-17	02/14/1996	407,959.62	R6394 03/14/1996	24.65	11.14
0-23	08/13/1996	468,768.66	R6843 09/12/1996	11.15	5.04
0-30	02/12/1997	491,998.90	R7440 03/11/1997	578.37	209.19
0-31	03/12/1997	558,588.94	R7533 04/10/1997	22.30	8.07
1-2	05/12/1997	495,698.44	R7701 06/11/1997	22.41	8.11
1-30	09/13/1999	566,018.88	R0021 10/14/1999	686.39	248.26
1-31	10/11/1999	327,855.97	R0081 11/12/1999	642.80	232.50
2-1	10/28/1999	216,642.42	R0120 12/02/1999	244.16	88.31
2-2	11/12/1999	515,799.59	R0140 12/09/1999	20.32	7.35
2-4	01/18/2000	700,172.63	R0273 02/15/2000	90.94	32.89
2-4	01/18/2000	700,172.63	R0273 02/15/2000	1,224.16	442.77
2-5	02/14/2000	508,739.72	R0320 03/09/2000	129.55	46.86
2-9	06/08/2000	533,905.70	R0541 07/05/2000	107.88	39.02
				----- 4,518.09	----- 1,701.87

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

OTHER COSTS

CONTRACTOR : DYNACORP - CLASS CONTRACT

CONTRACT NUMBER : 68-D4-0104

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
0-3	R5279	National- Final	0.452115
0-17	R6394	National- Final	0.452115
0-23	R6843	National- Final	0.452115
0-30	R7440	National- Provisional	0.361692
0-31	R7533	National- Provisional	0.361692
1-2	R7701	National- Provisional	0.361692
1-30	R0021	National- Provisional	0.361692
1-31	R0081	National- Provisional	0.361692
2-1	R0120	National- Provisional	0.361692
2-2	R0140	National- Provisional	0.361692
2-4	R0273	National- Provisional	0.361692
2-4	R0273	National- Provisional	0.361692
2-5	R0320	National- Provisional	0.361692
2-9	R0541	National- Provisional	0.361692

Contractor Information

WORK ASSIGNMENT NO.: 0-25  
 PERIOD OF PERFORMANCE: 02/13/96 to 09/19/99

WORK ASSIGNMENT NO.: II-37  
 PERIOD OF PERFORMANCE: 09/20/99 to 06/19/00

DESCRIPTION OF WORK: INVOICE PROCESSING AND CALCULATION (IPAC)

The purpose of this work assignment is to direct the contractor to perform

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

OTHER COSTS

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CONTRACTOR : DYNACORP - CLASS CONTRACT

CONTRACT NUMBER : 68-D4-0104

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invoice processing and calculation (IPAC). The contractor shall review all invoices submitted by the CLP contractor laboratories and shall provide all information to AOC/designated Regional personnel. AOC/designated Regional personnel will review and determine the analyses of all sample fractions are performed as billed, that fraction prices billed agree with rates contained in the laboratories contracts and the appropriate sites are charged for the analytical event.

The contractor shall reconcile and document any discrepancies with the laboratories. The contractor shall calculate adjustments due to liquidated damages and/or incentives. The contractor shall document and forward the invoices to EPA for APO/designated Regional personnel review and verification. The contractor shall research, calculate and record costs by site and shall forward a proposed cost per site allocation to AOCs/designated Regional personnel as an attachment to invoice as supporting documentation for EPA approval.

WORK ASSIGNMENT NO.: 1-30  
PERIOD OF PERFORMANCE: 03/19/97 to 09/19/99

WORK ASSIGNMENT NO.: II-36  
PERIOD OF PERFORMANCE: 09/20/99 to 06/19/00

DESCRIPTION OF WORK: CONTRACT COMPLIANCE SCREENING (CCS)

This work assignment is to provide Contract Compliance Screening (CCS) for data packages from Contract Lab Program (CLP) laboratories. Specifically, CLASS shall:

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

OTHER COSTS

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CONTRACTOR : DYNACORP - CLASS CONTRACT

CONTRACT NUMBER : 68-D4-0104

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- 1) receive and track the progress of deliverables (analytical data deliverables/packages) through all parts of the CCS system,
- 2) generate reports and communicate with the CLP laboratories summarizing the full compliance status for deliverables and resubmissions, using summary sheets and Agency supplied defect statements, and
- 3) report CLP laboratory compliance status and trends across time, laboratories, regions, and CCS criteria. In addition, the CLASS contractor shall conform to CCS processing consistency and turnaround requirements established by US EPA.

WORK ASSIGNMENT NO.: 1-32  
PERIOD OF PERFORMANCE: 03/19/97 to 09/19/99

DESCRIPTION OF WORK: CLASS OPERATIONS (CLOPS)

The purpose of this work assignment is to direct the contractor to perform routine CLASS Operations (CLOPS), including operation of the CLASS facility, reporting, cost recovery support, CLP/CLASS file preparation, and maintain the record of communication system. Routine operations shall be performed in accordance with performance specifications and Standard Operating Procedures (SOPs) set forth in the Statement of Work (SOW) of the contract. The contractor shall support the Program office in providing information to data users regarding the functions, capabilities, characteristics and history of the Contract Lab Program (CLP).

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

OTHER COSTS

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CONTRACTOR : DYNACORP - CLASS CONTRACT

CONTRACT NUMBER : 68-D4-0104

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The contractor shall assist in coordinating with the Program office all program initiatives and innovations, as well as changes to CLASS procedures deemed programmatic in nature. The contractor shall provide support to CLP analytical data and information users, such as, Financial Management Center, Superfund Accounting Branch, Regional program personnel for cost recovery reporting, and Department of Justice.

SUPPORTING DOCUMENTATION: Copies of Work Assignments, Statements of Work and Work Assignment Amendments

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

OVERFLIGHT CONTRACT COSTS

CONTRACTOR : HUGHES SIX CORPORATION  
 CONTRACT NUMBER : 68-C3-0367  
 PROJECT OFFICER : JOAN L. BOZIK  
 DATES OF SERVICE : FROM :02/01/1994 TO :09/30/1994  
 SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
 TOTAL COSTS : \$ 4,646.46

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
5	03/07/1994	98,493.82	R4496 04/07/1994	547.21	214.04
6	04/08/1994	105,679.17	R4564 05/06/1994	2,267.55	886.96
7	05/06/1994	81,847.09	R4632 07/11/1994	34.78	13.60
7	05/06/1994	81,847.09	R4632 07/11/1994	383.82	150.13
8	06/06/1994	89,279.53	R4711 07/11/1994	3.49	1.37
12	10/06/1994	115,893.48	R5100 11/10/1994	93.99	36.76
12.02	01/25/1995	16,154.71	R5426 03/17/1995	9.09	3.56
12.02	01/25/1995	16,154.71	R5426 03/17/1995	0.08	0.03
				----- 3,340.01	----- 1,306.45



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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

OVERFLIGHT CONTRACT COSTS

CONTRACTOR : HUGHES STX CORPORATION

CONTRACT NUMBER : 68-C3-0367

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
5	R4496	National- Provisional	0.391155
6	R4564	National- Provisional	0.391155
7	R4632	National- Provisional	0.391155
7	R4632	National- Provisional	0.391155
8	R4711	National- Provisional	0.391155
12	R5100	National- Provisional	0.391155
12.02	R5426	National- Provisional	0.391155
12.02	R5426	National- Provisional	0.391155

Contractor Information

WORK ASSIGNMENT NUMBER NO.: 94140  
 PERIOD OF PERFORMANCE: 01/15/94 TO 04/18/94

DESCRIPTION OF WORK: PHOTO SUPPORT, BOARHEAD FARMS SITE,  
 UPPER BLACK EDDY, PA

The purpose of this task is to provide operational remote sensing support to CERCLA remedial activities in EPA Region III. Specifically, historical aerial photographic research, acquisition and reproduction is required in order to document past hazardous waste disposal activities at the Boarhead Farms Superfund site in Upper Black Eddy, PA.

Hughes STX will research and acquire all available historical aerial photography of the site that has not been previously delivered for the period 1960 to the present. Two 20" X 20" print enlargements of the

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

OVERFLIGHT CONTRACT COSTS

CONTRACTOR : HUGHES SIX CORPORATION

CONTRACT NUMBER : 68-C3-0367

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site will be provided incrementally for each year of newly acquired photography. In addition, the contractor will deliver a summary imagery information sheet showing all aerial photographic coverage delivered from this task and for past projects.

SUPPORTING DOCUMENTATION: Copy of Work Assignment and Description of Work

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

CONTRACTOR : TETRA TECH/BLACK & VEATCH  
CONTRACT NUMBER : 68-S7-3002  
PROJECT OFFICER : JAMES P. MCKENZIE  
DATES OF SERVICE : FROM :01/31/2000 TO :05/28/2000  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 203,455.69  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
022	06/04/1999	76,247.33	R9643 07/01/1999	5,031.79	366.07
023	07/09/1999	92,903.25	R9718 08/06/1999	10,968.70	797.98
024	08/13/1999	67,251.26	R9794 09/09/1999	8,792.26	639.65
025	09/02/1999	94,030.80	R0002 10/04/1999	37,803.52	2,750.24
026	10/15/1999	89,835.21	R0081 11/12/1999	8,783.46	639.01
027	11/08/1999	110,739.21	R0143 12/10/1999	27,743.37	2,018.36
028	01/03/2000	86,218.56	R0241 02/01/2000	24,719.05	1,798.34
029	01/12/2000	742,602.69	R0260 02/09/2000	29,393.21	2,138.39
030	02/09/2000	70,107.72	R0313 03/06/2000	6,962.09	506.50
031	03/09/2000	78,100.07	R0371 04/04/2000	9,069.91	659.85
31	03/09/2000	78,100.07	R0371 04/04/2000	9,069.91	659.85
32	04/17/2000	108,814.23	R0438 05/11/2000	2,552.03	185.66
34	06/08/2000	83,529.84	R0542 07/06/2000	8,768.57	637.92
				189,657.87	13,797.82

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

CONTRACTOR : TETRA TECH/BLACK & VEATCH

CONTRACT NUMBER : 68-S7-3002

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
022	R9643	National- Provisional	0.072751
023	R9718	National- Provisional	0.072751
024	R9794	National- Provisional	0.072751
025	R0002	National- Provisional	0.072751
026	R0081	National- Provisional	0.072751
027	R0143	National- Provisional	0.072751
028	R0241	National- Provisional	0.072751
029	R0260	National- Provisional	0.072751
030	R0313	National- Provisional	0.072751
031	R0371	National- Provisional	0.072751
31	R0371	National- Provisional	0.072751
32	R0438	National- Provisional	0.072751
34	R0542	National- Provisional	0.072751

Contractor Information

WORK ASSIGNMENT NO.: 018RDRD03Y2  
 PERIOD OF PERFORMANCE: 04/28/00 to 08/31/00

DESCRIPTION OF WORK: BOARHEAD SUPERFUND SITE - REMEDIAL DESIGN

The Remedial Design stage includes the development of the actual design of the selected remedy. The contractor shall furnish personnel services, materials, equipment required to prepare detailed plans, drawings and specifications for Remedial Actions. All activities shall be in conformance with the remedy selected and set forth in the Record of

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

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PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

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CONTRACTOR : TETRA TECH/BLACK & VEATCH

CONTRACT NUMBER : 68-S7-3002

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Decision (ROD), the removal action selected and set forth in the Action Memorandum, the Remedial Design, or otherwise directed by EPA. The following work breakdown structure shall be used for project scoping, scheduling, and technical and cost tracking and reporting. The design shall be for the Boarhead Farms site and shall reflect the remedial action selected in the November 1998 ROD.

The remedial selected in this ROD includes three significant elements:

- 1) upgrade of the existing interceptor trench collection and treatment system (to NPDES compliance),
- 2) excavation, characterization, and disposal of remaining buried drums and other discrete units (such as tanker trucks, tubes or bins) of hazardous substances; and,
- 3) excavation, cleansing, and redistribution of currently contaminated soils. The remedial design shall be completed in two phases with the upgrade of the existing treatment plant being completed within 120 days of issuance of this work assignment and the remainder of this work assignment is to be completed within 270 days of issuance of this work assignment. Note: work on all design elements may proceed concurrently.

TASK 1 -- PROJECT PLANNING AND SUPPORT:

This task includes work efforts related to project initiation and support.

TASK 2 -- COMMUNITY RELATIONS (As needed, but not expected):

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PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

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CONTRACTOR : TETRA TECH/BLACK & VEATCH

CONTRACT NUMBER : 68-S7-3002

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This task includes work efforts related to the update and implementation of the Community Relations Plan (CRP) for the site. It is anticipated that, for the extent of this design project, that community relations will be minimal. When attending public meetings and open houses, contractor employees must identify themselves as employees of an EPA contractor.

TASK 3 -- DATA ACQUISITION:

This task includes work efforts to acquire additional data to support Remedial Design activities. The contractor shall rely on the voluminous amount of data collected during the remedial investigation and the 3 removal actions. Data acquired during the design effort should supplement prior data collection actions. The results of this effort as well as previous studies shall be used to define contaminant levels, other physical/chemical properties, and volume. Note: for much of this sampling some sort of on-site sampling (such as, but not limited to XRF, SVE or field GC) may be implemented (recommended).

TASK 4 -- SAMPLE ANALYSIS:

This task includes the analysis of environmental and waste samples. The contractor may utilize or be directed to utilize a variety of mechanisms to implement this task including: field screening using mobile facilities or field portable equipment, the Contract Laboratory Program (CLP), laboratories procured under subpool or Team subcontractor, the Regional Environmental Services Division (ESD), the Environmental Response Team (ERT) laboratory, or Regionally procured laboratories.

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

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CONTRACTOR : TETRA TECH/BLACK & VEATCH

CONTRACT NUMBER : 68-S7-3002

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This task consists exclusively of performance of sample analyses and production or analytical data.

TASK 5 -- ANALYTICAL SUPPORT AND DATA VALIDATION:

This task includes work efforts involved in scheduling, coordination, tracking, and oversight of sample analyses and validation of analytical data produced.

TASK 6 -- DATA EVALUATION:

This task includes work efforts related to the analysis of data for incorporation into the design effort.

TASK 7 -- TREATABILITY STUDY/PILOT TESTING:

This task includes work efforts related to the conduct of laboratory screening, bench-scale and pilot-scale treatability studies of the selected remedy, including the leachate from the collection trench.

TASK 8 -- PRELIMINARY DESIGN:

This task includes work efforts related to the preparation of the preliminary design. In the same manner as noted above the preliminary design should be split into two separate tasks with the preliminary design for the leachate treatment plant being completed within 75 days of award of contract. Note: It is anticipated that the process units needed to upgrade the leachate treatment system will be "off the shelf items." If this is the case then the intermediate design,

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

CONTRACTOR : TETRA TECH/BLACK & VEATCH

CONTRACT NUMBER : 68-S7-3002

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phase can be eliminated.

TASK 9 -- EQUIPMENT/SERVICES/UTILITIES:

This task includes efforts necessary to acquire long-lead equipment, services, and/or utilities identified during the preliminary design phase.

TASK 10 -- INTERMEDIATE DESIGN:

This includes work efforts related to the preparation of the intermediate design (same two type submittals as discussed above).  
Note: (if needed) Leachate treatment system intermediate design shall be completed within 60 days of award of contract.

TASK 11 -- PRE-FINAL/FINAL DESIGN:

This task includes work efforts related to the preparation of the Pre-Final designs (note: same two type design submittals as discussed above). Note: If there is no intermediate design submittal for the Leachate Treatment plant the prefinal submittal for this component will be submitted within 90 days of award of the contract.

TASK 12 -- POST REMEDIAL DESIGN SUPPORT: (as needed)

Note: This section (Task 12) will only be applicable upon the written direction from the contracting officer.

The contractor shall solicit the procurement, evaluate offers received and inform the EPA contracting officer of the best

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

RESPONSE ACTION CONTRACT (RAC)

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CONTRACTOR : TETRA TECH/BLACK & VEATCH

CONTRACT NUMBER : 68-S7-3002

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qualified/cost effective offer.

TASK 13 -- WORK ASSIGNMENT CLOSE OUT:

This task includes efforts related to work assignment close out.

SUPPORTING DOCUMENTATION: Copies of Work Assignment No. 018RDRD03Y2  
and Statement of Work; Copies of Work Assignment Revisions No. 1  
through 6

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

RESPONSE ENGINEERING AND ANALYTICAL (REA) CONTRACT

CONTRACTOR : ROY F. WESTON  
CONTRACT NUMBER : 68-C4-0022  
PROJECT OFFICER : RAJESHMAL SINGHVI  
DATES OF SERVICE : FROM :07/27/1996 TO :12/27/1996  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 78,641.10  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT
177	08/05/1996	934,226.82	R6817 08/30/1996	20,162.81
179	09/05/1996	956,343.31	R7002 10/02/1996	17,839.09
182	10/07/1996	1,266,842.35	R7100 11/05/1996	14,226.52
184	11/05/1996	908,890.96	R7172 12/03/1996	24,484.37
185	12/17/1996	1,107,327.83	R7294 01/15/1997	989.13
186	01/09/1997	1,285,987.06	R7357 02/10/1997	920.49
187	02/06/1997	1,119,817.63	R7419 03/04/1997	18.69
				----- 78,641.10

Contractor Information

WORK ASSIGNMENT NO.: 1-209  
PERIOD OF PERFORMANCE: 07/08/96 TO 05/31/97

DESCRIPTION OF WORK: BOARHEAD FARMS ECOLOGICAL RISK ASSESSMENT,  
BUCKS COUNTY, PA

The objective of this work assignment is to conduct an ecological risk assessment of the Boarhead Farm Superfund Site, Bucks County, PA.

Conduct a review of existing studies, and data provided by the EPA Region III contractor and convert to an ERT/REAC format.

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

RESPONSE ENGINEERING AND ANALYTICAL (REA) CONTRACT

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CONTRACTOR : ROY F. WESTON

CONTRACT NUMBER : 68-C4-0022

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Conduct field sampling and establish a gradient of contaminants which will be used in the design for conducting toxicity tests (Chironomid, Hyallela, Earthworm).

Conduct an ecological risk calculation using the hazard quotient method. Develop a conceptual model based on assessment endpoints and hypotheses generated from the initial site recommendations. Identify measurement endpoints which support hypotheses. Details of the toxic mechanism of all contaminants of concern, potential pathways of exposure, and potential receptors should also be included. Conduct a Ecological Risk Assessment using the data obtained by literature review and previous sampling.

SUPPORTING DOCUMENTATION: Copy of Work Assignment No. 1-209 and Description of Work

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.  
CONTRACT NUMBER : 68-01-7367  
PROJECT OFFICER : PATRICIA HAWKINS  
DATES OF SERVICE : FROM :04/01/1989 TO :03/31/1990  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 51,678.34  
DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
41	05/09/1989	1,648,872.37	R8891 06/20/1989	13,778.90	14,529.51
43	06/02/1989	1,529,457.05	R8911 07/19/1989	257.04	271.04
45	07/07/1989	1,747,273.42	R8931 08/16/1989	1,335.61	1,408.37
47	08/02/1989	1,601,961.63	R8950 09/13/1989	406.53	428.68
49	08/31/1989	1,356,973.81	R8963 10/03/1989	8,941.50	9,428.59
51	10/05/1989	1,778,376.03	R8988 11/08/1989	36.45	38.44
55	11/30/1989	1,651,710.26	R9026 01/08/1990	40.97	43.20
57	01/08/1990	1,961,193.64	R9048 02/08/1990	72.98	76.96
60	02/06/1990	1,931,783.43	R9065 03/06/1990	3.53	3.72
62	03/02/1990	1,758,304.95	R9087 04/05/1990	263.20	277.54
65	04/05/1990	2,414,242.68	R9109 05/07/1990	17.32	18.26
				----- 25,154.03	----- 26,524.31

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-01-7367

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
41	R8891	Region - Final	1.054475
43	R8911	Region - Final	1.054475
45	R8931	Region - Final	1.054475
47	R8950	Region - Final	1.054475
49	R8963	Region - Final	1.054475
51	R8988	Region - Final	1.054475
55	R9026	Region - Final	1.054475
57	R9048	Region - Final	1.054475
60	R9065	Region - Final	1.054475
62	R9087	Region - Final	1.054475
65	R9109	Region - Final	1.054475

Contractor Information

TECHNICAL DIRECTION DOCUMENT (TDD) NO.: 03-8902-15  
 PERIOD OF PERFORMANCE: 02/21/89 to 03/03/89

DESCRIPTION OF WORK: BOARHEAD FARMS SITE ASSESSMENT  
 UPPER BLACK EDDY, BUCKS CO., PA

Prepare Site Sketch/Map  
 Conduct Air Monitoring  
 Prepare POLREPS  
 Photo Documentation

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-01-7367

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TDD NO.: 03-8903-01  
PERIOD OF PERFORMANCE: 03/09/89 to 03/20/89

DESCRIPTION OF WORK: BOARHEAD FARMS SAMPLING SUPPORT  
UPPER BLACK EDDY, BUCKS CO., PA

Magnetometer Survey  
Perform Water Sampling of Residential Wells  
Obtain Magnetometer Per FBI Informant  
Water Sampling  
Magnetometer Survey

TDD NO.: 03-9803-L02  
PERIOD OF PERFORMANCE: 03/13/89 to 03/31/89

DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, BUCKS CO., PA

Analysis of 40 Water Samples  
-VO Analysis (Method 624)  
-CN Analysis (Method 335.2)  
-Metals Analysis (SW - 846) for 16 Specific Metals  
(P.P. List & Al, Ba, Mn) by Furnace A.A. (Exc/Hg)

QA/QC:  
-15 TIC  
-MS/MSD  
-Method Blank  
-Double Injections

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-01-7367

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TDD NO.: 03-8904-01  
PERIOD OF PERFORMANCE: 04/03/89 to 04/17/89

DESCRIPTION OF WORK: BOARHEAD FARMS SAMPLING SUPPORT  
UPPER BLACK EDDY, BUCKS CO., PA

Prepare Site Sketch/Map  
Trip Report  
Prepare Trip Report for Previous Sampling Effort

TDD NO.: 03-8905-25  
PERIOD OF PERFORMANCE: 05/10/89 to 06/15/89

DESCRIPTION OF WORK: BOARHEAD FARMS SITE ASSESSMENT  
UPPER BLACK EDDY, BUCKS CO., PA

Follow-up Assessment on Drums and Tankers, Obtain Sample of Material  
& Arrange for Analytical. If stained soil is observed sample soil.

Prepare Sampling Plan  
Prepare POLREPS  
Implement Sampling Plan

TDD NO.: 03-8906-L03  
PERIOD OF PERFORMANCE: 05/26/89 to 07/19/89

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PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-01-7367

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DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, BUCKS CO., PA

6 Soil Samples

- BNA (Method 8270)
- Pesticides (Method 8080)
- CLP Metals (23)
- CN Analysis
- EP Toxicity - Metals Only

12 Aqueous Samples

SUPPORTING DOCUMENTATION: Copies of Technical Direction Documents and  
Acknowledgments of Completion



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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.  
CONTRACT NUMBER : 68-W0-0036  
PROJECT OFFICER : P.HAWKINS/E.WILLIFORD  
DATES OF SERVICE : FROM :12/01/1991 TO :06/30/1995  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 581,267.00

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
16	01/02/1992	1,657,756.58	R2252 02/03/1992	386.51	308.76
17	01/29/1992	1,728,893.52	R2315 02/28/1992	838.60	669.92
18	02/27/1992	615,863.46	R2386 03/31/1992	98.52	78.70
22	07/02/1992	1,827,055.55	R2700 08/06/1992	289.30	231.11
23	07/31/1992	1,695,469.38	R2764 08/31/1992	289.30	231.11
24	09/11/1992	1,468,964.59	R3029 10/14/1992	26,435.40	21,117.97
25	10/09/1992	2,011,899.69	R3124 11/19/1992	60,254.08	48,134.09
27	11/13/1992	1,300,091.50	R3199 12/18/1992	32,796.45	26,199.51
26	11/18/1992	810,849.68	R3206 12/22/1992	10,787.97	8,617.99
28	12/10/1992	274,248.03	R3259 01/12/1993	1,299.54	1,038.14
29	12/08/1992	653,688.61	R3259 01/12/1993	9,896.85	7,906.12
31	01/14/1993	1,655,595.23	R3334 02/10/1993	8,133.59	6,497.53
33	02/10/1993	1,794,039.88	R3426 03/18/1993	7,310.13	5,839.71
34	03/10/1993	72,011.33	R3492 04/13/1993	407.25	325.33
35	03/10/1993	1,314,186.55	R3492 04/13/1993	8,785.10	7,017.99
37	04/16/1993	1,793,825.45	R3572 05/14/1993	16,539.54	13,212.64
39	05/10/1993	1,368,888.39	R3638 06/10/1993	1,973.95	1,576.89
41	06/11/1993	1,615,014.33	R3709 07/12/1993	4,687.17	3,744.36
43	07/13/1993	1,886,048.67	R3777 08/10/1993	13,826.85	11,045.61
47	09/07/1993	1,695,523.33	R4014 10/07/1993	3,241.27	2,589.30
49	10/12/1993	1,972,352.66	R4111 11/10/1993	4,246.91	3,392.65

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
16	R2252	Region - Final	0.798852
17	R2315	Region - Final	0.798852
18	R2386	Region - Final	0.798852
22	R2700	Region - Final	0.798852
23	R2764	Region - Final	0.798852
24	R3029	Region - Final	0.798852
25	R3124	Region - Final	0.798852
27	R3199	Region - Final	0.798852
26	R3206	Region - Final	0.798852
28	R3259	Region - Final	0.798852
29	R3259	Region - Final	0.798852
31	R3334	Region - Final	0.798852
33	R3426	Region - Final	0.798852
34	R3492	Region - Final	0.798852
35	R3492	Region - Final	0.798852
37	R3572	Region - Final	0.798852
39	R3638	Region - Final	0.798852
41	R3709	Region - Final	0.798852
43	R3777	Region - Final	0.798852
47	R4014	Region - Final	0.798852
49	R4111	Region - Final	0.798852

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
53	11/08/1993	1,625,160.76	R4194 12/13/1993	4,331.38	2,342.09
55	12/07/1993	1,372,578.92	R4266 01/10/1994	10,234.58	5,534.10
57	01/18/1994	1,909,728.07	R4358 02/18/1994	6,346.36	3,431.64
59	02/14/1994	2,081,695.14	R4430 03/15/1994	2,027.73	1,096.45
61	03/14/1994	1,842,790.55	R4508 04/12/1994	1,132.61	612.43
63	04/11/1994	2,107,317.02	R4573 05/11/1994	1,064.62	575.67
65	05/16/1994	2,390,799.12	R4648 06/10/1994	868.41	469.57
67	06/14/1994	1,539,232.87	R4722 07/14/1994	1,157.81	626.06
69	07/13/1994	1,713,108.53	R4819 08/22/1994	1,717.58	928.74
71	08/17/1994	2,042,382.47	R4896 09/19/1994	4,074.02	2,202.93
72	09/02/1994	220,831.37	R5019 10/12/1994	401.83	217.28
74	09/15/1994	2,119,004.22	R5071 10/31/1994	10,967.36	5,930.34
76	10/10/1994	1,546,981.45	R5100 11/10/1994	60,036.75	32,463.43
77	11/17/1994	440,487.85	R5208 12/21/1994	3,484.41	1,884.11
78	11/17/1994	1,482,858.43	R5208 12/21/1994	2,906.79	1,571.78
80	12/15/1994	1,179,700.98	R5270 01/17/1995	929.29	502.49
79	12/16/1994	202,311.25	R5274 01/18/1995	399.48	216.01
81	01/11/1995	131,931.83	R5330 02/08/1995	1,254.29	678.23
82	01/11/1995	1,347,431.34	R5339 02/13/1995	4,939.08	2,670.69
84	02/08/1995	1,602,545.00	R5400 03/09/1995	7,482.21	4,045.83
86	03/07/1995	1,567,608.10	R5477 04/03/1995	493.03	266.59
85	03/08/1995	552,689.97	R5478 04/04/1995	466.40	252.19
87	04/07/1995	328,620.08	R5558 05/03/1995	281.50	152.21
90	04/11/1995	2,202,669.59	R5572 05/09/1995	28,359.45	15,334.69
88R	05/12/1994	587,498.26	R5665 06/12/1995	1,733.60	937.40
92	05/16/1995	1,500,277.89	R5665 06/12/1995	-4,205.53	-2,274.04

SECTION 29 - PAGE 4  
 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
53	R4194	Region - Final	0.540726
55	R4266	Region - Final	0.540726
57	R4368	Region - Final	0.540726
59	R4430	Region - Final	0.540726
61	R4508	Region - Final	0.540726
63	R4573	Region - Final	0.540726
65	R4648	Region - Final	0.540726
67	R4722	Region - Final	0.540726
69	R4819	Region - Final	0.540726
71	R4896	Region - Final	0.540726
72	R5019	Region - Final	0.540726
74	R5071	Region - Final	0.540726
76	R5100	Region - Final	0.540726
77	R5208	Region - Final	0.540726
78	R5208	Region - Final	0.540726
80	R5270	Region - Final	0.540726
79	R5274	Region - Final	0.540726
81	R5330	Region - Final	0.540726
82	R5339	Region - Final	0.540726
84	R5400	Region - Final	0.540726
86	R5477	Region - Final	0.540726
85	R5478	Region - Final	0.540726
87	R5558	Region - Final	0.540726
90	R5572	Region - Final	0.540726
88R	R5665	Region - Final	0.540726
92	R5665	Region - Final	0.540726

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 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
109Z	12/05/1995	45,063.25	R6219 01/04/1996	11.37	4.92
129R1	06/11/1997	139,971.57	R7772 07/08/1997	-25,550.35	-11,052.60
				-----	-----
				339,870.34	241,396.66

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 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
109Z	R6219	Region - Provisional	0.432581
129R1	R7772	Region - Provisional	0.432581

Contractor Information

TECHNICAL DIRECTION DOCUMENT (TDD) NO.: 03-9210-0001  
 PERIOD OF PERFORMANCE: 10/08/92 TO 12/31/92

DESCRIPTION OF WORK: BOARHEAD FARMS REMOVAL SUPPORT (CERCLA)  
 UPPER BLACK EDDY, BUCKS CO., PA

Agency roster/cards  
 Chronology of Events  
 Conduct Air Monitoring  
 Conduct Cost Tracking and Documentation  
 Document On-Site Activity  
 Implement Sampling Plan  
 Maps and Sketches  
 Organize Site Files  
 Photo Documentation  
 Prepare and Implement Safety Plan  
 Prepare POLREPS  
 Press Clippings  
 Review Site Records/Technical Documents  
 Conduct Multimedia Sampling

BSAI 082281

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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TDD NO.: 03-9210-0001A  
This TDD amends 03-9210-0001 to extend the due date from  
12/31/92 to 04/30/93

TDD NO.: 03-9210-0001B  
This TDD amends 03-9210-0001A to extend the due date from  
04/30/93 to 06/30/93

TDD NO.: 03-9210-0001C  
This TDD amends 03-9210-0001B to add additional Level of  
Effort (LOE) hours.

TDD NO.: 03-9210-0001D  
This TDD amends 03-9210-0001C to add additional LOE hours.

TDD NO.: 03-9210-0001E  
This TDD amends 03-9210-0001D to add additional LOE hours.

TDD NO.: 03-9210-0001F  
This TDD amends 03-9210-0001E to extend the due date to  
12/31/93

TDD NO.: 03-9210-0001G  
This TDD amends 03-9210-0001F to add additional LOE hours.

TDD NO.: 03-9301-L005  
PERIOD OF PERFORMANCE: 01/11/93 to 02/10/93

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SECTION 29 - PAGE 8  
REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-WO-0036

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DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, BUCKS CO., PA

8 water samples for volatile organics by EPA CLP 3/90 Methods

8 water samples for base neutrals & acid extractables by CLP  
3/90 Methods

8 water samples for TAL metals by CLP 3/90 Methods

2 CLP data packages

TDD NO.: 03-9303-L004  
PERIOD OF PERFORMANCE: 03/17/93 to 05/12/93

DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, BUCKS CO., PA

4 water samples for volatile organics by EPA Method 624 with a  
1 UG/L detection limit

10 water samples for priority pollutant metals

TDD NO.: 03-9305-L006  
PERIOD OF PERFORMANCE: 05/10/93 to 06/21/93

DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, LACKAWANNA CO., PA



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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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2 water samples for VOA analysis by EPA Method 624  
2 matrix spike/matrix spike duplicate for above item  
7 water samples for priority pollutant metals  
2 matrix spike/matrix spike duplicate for above item

TDD NO.: 03-9309-L006  
PERIOD OF PERFORMANCE: 09/10/93 to 10/18/93

DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, BUCKS CO., PA

7 water samples for the analysis of volatile organic compounds,  
base/neutral & acid extractable compounds & PCB/Pesticide compounds  
by CLP Method (3/90)

7 water samples for the analysis of 23 target analyte list metals  
and total cyanide by CLP Method (3/90)

1 water sample for the analysis of volatile organic compounds by  
CLP Method (3/90) organic statement of work

TDD NO.: 03-9310-0001  
PERIOD OF PERFORMANCE: 10/01/93 to 11/30/93

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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DESCRIPTION OF WORK: BOARHEAD FARMS ENGINEERING EVALUATION COST  
ANALYSIS (EECA) UPPER BLACK EDDY, BUCKS CO., PA

Draft EECA for Ground Water Contamination  
Draft Approval Memo

TDD NO.: 03-9311-0001  
PERIOD OF PERFORMANCE: 11/03/93 to 12/31/93

DESCRIPTION OF WORK: BOARHEAD FARMS SITE ASSESSMENT INVESTIGATION  
UPPER BLACK EDDY, BUCKS CO., PA

Implement Sampling Plan  
Photo Documentation  
Prepare and Implement Safety Plan  
Prepare POLREPS  
Prepare Site Sketch/Map  
Trip Report

TDD NO.: 03-9311-L002  
PERIOD OF PERFORMANCE: 11/02/93 to 11/22/93

DESCRIPTION OF WORK: BOARHEAD FARMS ANALYTICAL  
UPPER BLACK EDDY, BUCKS CO., PA

26 soil samples for volatile organics by CLP Methodologies  
4 matrix spikes  
2 water samples for volatile organics by CLP Methodology

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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TDD NO.: 03-9312-0004  
PERIOD OF PERFORMANCE: 12/07/93 to 02/28/94

DESCRIPTION OF WORK: BOARHEAD FARMS ENGINEERING EVALUATION COST  
ANALYSIS, UPPER BLACK EDDY, BUCKS CO., PA

Review Site Records/Technical Documents  
Prepare Sampling Plan  
Compile Existing Data  
Draft EE/CA for Groundwater

TDD NO.: 03-9312-0004A  
This TDD amends TDD 03-9312-0004 to extend the due date  
from 02/28/94 to 03/31/94

TDD NO.: 03-9401-0001  
PERIOD OF PERFORMANCE: 01/05/94 to 05/31/94

DESCRIPTION OF WORK: BOARHEAD FARMS OSC REPORT (CERCLA)  
UPPER BLACK EDDY, BUCKS CO., PA

Assist OSC in drafting OSC Report

TDD NO.: 03-9405-0013  
PERIOD OF PERFORMANCE: 05/18/94 to 08/31/94

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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DESCRIPTION OF WORK: COMPLETE EE/CA FOR THE BOARHEAD SITE, INCLUDING  
DRILLING MONITORING WELLS, INCLUDING CONDUCTING  
APPROPRIATE TESTS

Compile Existing Data  
Draft EECA  
Provide Engineering Technical Services

TDD NO.: 03-9405-0013A  
This TDD amends 03-9405-0013 to add additional LOE hours.

TDD NO.: 03-9405-0013B  
This TDD amends 03-9405-0013A to extend due date from  
08/31/94 to 09/30/94

TDD NO.: 03-9407-S002  
PERIOD OF PERFORMANCE: 07/12/94 to 09/30/94

DESCRIPTION OF WORK: SPECIAL PROJECT

To procure a drilling subcontractor to drill approximately 6 to  
20 wells. The exact number of wells will depend on the success of  
drilling wells which will produce sufficient water to characterize  
the site hydrogeology.

TDD NO.: 03-9407-S003  
PERIOD OF PERFORMANCE: 07/19/94 to 09/30/94

BSAI 082287

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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DESCRIPTION OF WORK: SPECIAL PROJECT

Procure comman post trailer, electricity, phones, tax and copier to  
support drilling operations at the Boarhead Site.

TDD NO.: 03-9408-L010  
PERIOD OF PERFORMANCE: 07/28/94 to 08/31/94

DESCRIPTION OF WORK: ANALYTICAL SERVICES

Analyze 11 water samples for VOCs and Metals  
Lab Report  
QA/QC

TDD NO.: 03-9410-0033  
PERIOD OF PERFORMANCE: 10/19/94 to 12/31/94

DESCRIPTION OF WORK: INFORMATION MANAGEMENT

Make Correction to and print copies of the After Action Report

TDD NO.: 03-9410-0033A  
This TDD amends 03-9410-0033 to extend due date from 12/31/94  
to 04/30/95

TDD NO.: 03-9410-0154  
PERIOD OF PERFORMANCE: 10/01/94 to 12/31/94

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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DESCRIPTION OF WORK: ASSIST IN DATA GATHERING AND PREPARATION OF DRAFT  
EE/CA

Compile existing data  
Draft EECA  
Provide Engineering Technical Services  
Review Site Records/Technical Documents

TDD NO.: 03-9410-0154A  
This TDD amends 03-9410-0154 to add an additional task and  
to extend the due date from 12/31/94 to 02/28/95.

-Collect samples from additional wells (6) which were  
installed for EE/CA

TDD NO.: 03-9410-L006  
PERIOD OF PERFORMANCE: 10/21/94 to 11/28/94

DESCRIPTION OF WORK: ANALYTICAL SERVICE - 20 WATER SAMPLES FOR  
VOLATILE ORGANICS

Lab Report  
Procure Services of an Analytical Laboratory  
QA/QC Lab Report

TDD NO.: 03-9411-S001  
PERIOD OF PERFORMANCE: 11/07/94 to 12/31/94

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ASSISTANCE TEAM (TAT) CONTRACT COSTS

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CONTRACTOR : ROY F. WESTON, INC.

CONTRACT NUMBER : 68-W0-0036

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DESCRIPTION OF WORK: SPECIAL PROJECT

Subcontract Well Drilling in Support of EE/CA

TDD NO.: 03-9501-L007  
PERIOD OF PERFORMANCE: 01/26/95 to 02/20/95

DESCRIPTION OF WORK: ANALYTICAL SERVICES

7 water samples for volatile organics  
Lab Report  
Procure Services of an Analytical Laboratory  
QA/QC Lab Report

SUPPORTING DOCUMENTATION: Copies of Technical Direction Documents and  
Acknowledgments of Completion

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CIM FEDERAL PROGRAMS CORPORATION  
CONTRACT NUMBER : 68-01-7331  
PROJECT OFFICER : LINDA STEWART/ROSE HARVEL  
DATES OF SERVICE : FROM :01/03/1988 TO :12/31/1991  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 73,432.79

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
18B	02/26/1988	1,880,159.89	R8630 04/20/1988	514.49	169.55
19B	03/21/1988	1,920,693.88	R8644 05/18/1988	62.42	20.57
20B	04/26/1988	2,155,831.50	R8662 06/24/1988	-0.02	-0.01
20B	04/26/1988	2,155,831.50	R8662 06/24/1988	483.39	159.30
21B	05/20/1988	1,962,780.37	R8667 07/08/1988	868.25	286.13
22B - R2	08/26/1988	2,059,976.27	R8716 09/29/1988	750.68	247.38
23B-R	08/26/1988	2,209,417.08	R8716 09/29/1988	1,093.75	360.44
24B	08/31/1988	1,882,757.92	R8717 10/06/1988	364.56	120.14
25-B	09/29/1988	2,153,992.62	R8734 11/01/1988	922.12	303.88
26B	10/28/1988	1,990,784.75	R8756 12/05/1988	3,906.63	1,287.41
27B	11/23/1988	1,465,697.93	R8770 12/28/1988	5,010.67	1,651.24
28B	12/29/1988	1,639,609.05	08795 02/03/1989	0.03	0.01
29B	01/25/1989	1,590,631.59	08821 03/13/1989	8,547.76	2,816.87
29B	01/25/1989	1,590,631.59	08821 03/13/1989	157.02	51.75
30B	02/17/1989	1,450,585.22	08828 03/22/1989	8,730.61	2,877.13
31B	03/24/1989	1,371,284.64	08852 04/25/1989	2,415.13	795.89
32B	04/25/1989	2,298,774.65	R8873 05/24/1989	1,706.33	562.31
33B	05/22/1988	1,477,072.92	R8891 06/21/1989	1,361.46	448.66
JV91775	06/26/1989	0.00	91775 06/26/1989	-157.02	-51.75
34B	06/21/1989	1,179,039.26	R8917 07/27/1989	6,177.46	2,035.75
35B	07/20/1989	1,385,887.40	R8941 08/31/1989	4,072.73	1,342.15

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 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-01-7331

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
18B	R8630	Region - Final	0.329545
19B	R8644	Region - Final	0.329545
20B	R8662	Region - Final	0.329545
20B	R8662	Region - Final	0.329545
21B	R8667	Region - Final	0.329545
22B - R2	R8716	Region - Final	0.329545
23B-R	R8716	Region - Final	0.329545
24B	R8717	Region - Final	0.329545
25-B	R8734	Region - Final	0.329545
26B	R8756	Region - Final	0.329545
27B	R8770	Region - Final	0.329545
28B	08795	Region - Final	0.329545
29B	08821	Region - Final	0.329545
29B	08821	Region - Final	0.329545
30B	08828	Region - Final	0.329545
31B	08852	Region - Final	0.329545
32B	R8873	Region - Final	0.329545
33B	R8891	Region - Final	0.329545
JV91775	91775	Region - Final	0.329545
34B	R8917	Region - Final	0.329545
35B	R8941	Region - Final	0.329545

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 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-01-7331

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
36B	08/22/1989	637,263.93	R8959 09/27/1989	1,265.09	416.90
37B	09/27/1989	498,826.14	R8977 10/24/1989	208.85	68.83
38B	10/26/1989	429,658.64	R9083 01/18/1990	72.19	23.79
57A	04/24/1991	35,257.55	R9373 05/23/1991	83.02	27.36
57B	04/24/1991	1,928,821.35	R9373 05/23/1991	3,191.73	1,051.82
64A	04/24/1992	-97,550.69	R2514 05/20/1992	-610.07	-160.84
64B	04/24/1992	444,225.19	R2514 05/20/1992	560.39	147.74
65A	06/29/1992	-1,494.61	R2657 07/21/1992	5.80	1.53
65B	06/29/1992	441,960.10	R2668 07/24/1992	-7.15	-1.88
JV30295	11/06/1993	0.00	30295 11/06/1993	3,655.20	963.64
71A	08/17/1994	-31,951.35	R4901 09/21/1994	6.25	1.65
71B	08/17/1994	226,605.12	R4901 09/21/1994	-45.99	-12.12
72A	11/30/1994	29,224.44	R5229 12/29/1994	36.25	9.56
				55,410.01	18,022.78

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 REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CIM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-01-7331

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
36B	R8959	Region - Final	0.329545
37B	R8977	Region - Final	0.329545
38B	R9033	Region - Final	0.329545
57A	R9373	Region - Final	0.329545
57B	R9373	Region - Final	0.329545
64A	R2514	Region - Provisional	0.263636
64B	R2514	Region - Provisional	0.263636
65A	R2657	Region - Provisional	0.263636
65B	R2668	Region - Provisional	0.263636
JV30295	30295	Region - Provisional	0.263636
71A	R4901	Region - Provisional	0.263636
71B	R4901	Region - Provisional	0.263636
72A	R5229	Region - Provisional	0.263636

Contractor Information

WORK ASSIGNMENT NO.: 311  
 PERIOD OF PERFORMANCE: 03/04/87 to 07/25/89

DESCRIPTION OF WORK: RESPONSIBLE PARTY SEARCH

PHASE I

Completion of Phase I will require submission of an interim report identifying names and addresses of owners, operators, generators and transporters associated with the site.

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SECTION 30 - PAGE 5  
REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CIM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-01-7331

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TASKS:

1) Review relevant EPA, state, county, township and local files; review site health and hazardous waste records including the types of industrial operations alleged to have discharged wastes at the site, the chemical composition of the waste product material and any evidence of disposal practices.

2) Conduct a deed and title search to obtain copies of certified deeds, leases and copies of tax maps. Boundaries of the contaminated area shall be drawn to scale on the tax map. Also include a title abstract which clearly delineates dates of ownership and operation.

3) Obtain names and addresses of transporters and generators. Provide information as to the types and quantities of substances transported and/or disposed of at the site.

4) Obtain names and addresses of people knowledgeable of site activities who may be able to identify additional responsible parties.

5) Research should be conducted which specifies a company's corporate history to the extent that any name changes, mergers or dissolutions are identified.

6) Relevant records obtained during the course of this research will be placed in a composite chronological file. A draft report will be prepared detailing the results of the contractors research, and will include a list of potentially responsible parties with references to supporting documents and other information.

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-01-7331

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## PHASE II

Completion of Phase II as outlined below will require submission of a final report containing recommendations as to whom EPA should consider as responsible parties and the basis for this recommendation. The basis shall include information obtained in the CERCLA Section 104 (e) responses, information obtained in interviews and information from other sources, if available.

## TASKS

1) Prepare 104(e) letters and/or 104(e) notice letters. The contractor may also be requested to contact each PRP to verify their address and obtain the name of the managing officer. Also, the contractor will review the 104(e) letter responses and provide recommendations as to the PRP's liability under CERCLA and/or the need for EPA to request additional information from the PRPs in order to evaluate a PRP's liability.

2) Based on the above recommendations and the findings of the EPA compliance officer's review of the 104(e) letters, obtain copies of articles of incorporation and any applicable amendments. At EPA's direction, the contractor will assess the financial status of a PRP in order to assist EPA in determining the PRP's ability to pay for investigation and cleanup of a site.

3) As soon as the recommended responsible parties are identified, forward a letter to National Enforcement Investigation Center (NEIC) listing the names of the parties and their addresses (preferably not

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REPORT DATE: 09/06/2000

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-01-7331

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the registered mailing address for financial assessment).

4) At EPA's direction, prepare summaries of data concerning the volume and nature of waste disposed of at the site and the contributions made by each PRP.

5) All information and the results of any additional research requested by EPA, to the extend resources permit, will be incorporated into a final report.

SUPPORTING DOCUMENTATION: Copy of Work Assignment No. 311 and Scope of Work; Copies of Work Assignment Amendments No. 1 through 12

SECTION 31 - PAGE 1  
REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION  
CONTRACT NUMBER : 68-W9-0004  
PROJECT OFFICER : ELAINE K. SPIEWAK  
DATES OF SERVICE : FROM :07/30/1989 TO :04/30/1994  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 207,890.97

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
5	09/20/1989	91,686.44	R8980 10/27/1989	288.51	116.76
6	10/24/1989	219,619.31	R8996 11/21/1989	2,915.32	1,179.81
7	11/28/1989	273,273.45	R9020 12/29/1989	287.01	116.15
8	12/22/1989	288,409.86	R9035 01/23/1990	2,604.02	1,053.83
9	01/24/1990	114,085.16	R9057 02/22/1990	168.35	68.13
10	02/02/1990	363,850.95	R9094 04/16/1990	1,482.89	600.12
11	03/21/1990	202,748.62	R9117 05/17/1990	686.76	277.93
12	04/20/1990	250,674.78	R9124 05/29/1990	894.95	362.18
13	05/24/1990	239,608.86	R9151 07/06/1990	619.48	250.70
14	06/15/1990	224,485.34	R9160 07/19/1990	340.45	137.78
15	07/16/1990	263,486.32	R9182 08/20/1990	341.71	138.29
16	08/20/1990	266,440.47	R9210 09/27/1990	313.85	127.01
17	09/24/1990	286,057.77	R9229 10/25/1990	581.88	235.48
19	12/10/1990	282,559.90	R9285 01/17/1991	106.99	43.30
21	02/01/1991	326,506.61	R9316 03/05/1991	113.08	45.76
23	03/05/1991	78,451.76	R9338 04/04/1991	1,373.36	555.79
24	03/26/1991	304,043.06	R9353 04/25/1991	1,668.52	675.24
25	05/03/1991	389,142.34	R9380 06/04/1991	2,812.55	1,138.22
26	05/29/1991	274,075.96	R9397 06/27/1991	1,198.81	485.15
27	07/03/1991	309,501.57	R9422 08/02/1991	648.10	262.28
28	07/31/1991	327,914.69	R1008 08/30/1991	315.91	127.85

BSAI 082298

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
5	R8980	Region - Final	0.404694
6	R8996	Region - Final	0.404694
7	R9020	Region - Final	0.404694
8	R9035	Region - Final	0.404694
9	R9057	Region - Final	0.404694
10	R9094	Region - Final	0.404694
11	R9117	Region - Final	0.404694
12	R9124	Region - Final	0.404694
13	R9151	Region - Final	0.404694
14	R9160	Region - Final	0.404694
15	R9182	Region - Final	0.404694
16	R9210	Region - Final	0.404694
17	R9229	Region - Final	0.404694
19	R9285	Region - Final	0.404694
21	R9316	Region - Final	0.404694
23	R9338	Region - Final	0.404694
24	R9353	Region - Final	0.404694
25	R9380	Region - Final	0.404694
26	R9397	Region - Final	0.404694
27	R9422	Region - Final	0.404694
28	R1008	Region - Final	0.404694

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
29	08/16/1991	302,187.16	R1068 09/30/1991	267.72	108.34
30	09/19/1991	570,202.90	R2045 10/23/1991	775.14	313.69
31	10/18/1991	423,496.92	R2093 11/14/1991	2,278.84	922.23
32	11/20/1991	404,558.66	R2160 12/18/1991	1,662.79	538.34
33R	02/10/1992	479,821.85	R2342 03/12/1992	1,192.05	385.93
35R	02/25/1992	428,033.90	R2368 03/23/1992	1,732.35	560.86
36	02/27/1992	492,153.19	R2379 03/26/1992	221.22	71.62
37	03/24/1992	370,323.05	R2450 04/23/1992	445.67	144.29
38	04/29/1992	574,473.58	R2525 05/27/1992	555.14	179.73
40A	06/16/1992	347,764.29	R2632 07/10/1992	182.56	59.10
41	07/01/1992	238,570.87	R2682 07/30/1992	1,407.90	455.81
42	07/24/1992	328,550.30	R2738 08/19/1992	292.28	94.63
43	08/24/1992	278,508.96	R2820 09/22/1992	2,075.66	672.01
44	09/23/1992	275,218.52	R3046 10/20/1992	2,217.52	717.93
45	10/26/1992	374,521.84	R3133 11/23/1992	4,254.08	1,377.28
46	11/25/1992	368,754.93	R3215 12/24/1992	6,097.11	1,973.97
47	12/28/1992	366,060.67	R3298 01/28/1993	1,356.77	439.26
48	01/28/1993	355,647.32	R3375 02/26/1993	4,536.07	1,468.58
49	03/01/1993	296,490.66	R3458 03/31/1993	5,999.15	1,942.25
50	03/26/1993	396,273.16	R3519 04/22/1993	3,938.49	1,275.11
51	04/26/1993	221,407.96	R3611 06/01/1993	6,773.35	2,192.91
52	05/24/1993	326,656.87	R3667 06/22/1993	5,437.01	1,760.26
54	06/28/1993	371,716.97	R3737 07/23/1993	4,699.50	1,521.49
55	07/28/1993	271,721.46	R3818 08/24/1993	8,016.43	2,595.36
56	08/30/1993	442,483.42	R4018 10/08/1993	6,760.95	2,188.89
57	09/28/1993	171,222.93	R4071 10/28/1993	4,855.94	1,572.13

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 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
29	R1068	Region - Final	0.404694
30	R2045	Region - Final	0.404694
31	R2093	Region - Final	0.404694
32	R2160	Region - Provisional	0.323755
33R	R2342	Region - Provisional	0.323755
35R	R2368	Region - Provisional	0.323755
36	R2379	Region - Provisional	0.323755
37	R2450	Region - Provisional	0.323755
38	R2525	Region - Provisional	0.323755
40A	R2632	Region - Provisional	0.323755
41	R2682	Region - Provisional	0.323755
42	R2738	Region - Provisional	0.323755
43	R2820	Region - Provisional	0.323755
44	R3046	Region - Provisional	0.323755
45	R3133	Region - Provisional	0.323755
46	R3215	Region - Provisional	0.323755
47	R3298	Region - Provisional	0.323755
48	R3375	Region - Provisional	0.323755
49	R3458	Region - Provisional	0.323755
50	R3519	Region - Provisional	0.323755
51	R3611	Region - Provisional	0.323755
52	R3667	Region - Provisional	0.323755
54	R3737	Region - Provisional	0.323755
55	R3818	Region - Provisional	0.323755
56	R4018	Region - Provisional	0.323755
57	R4071	Region - Provisional	0.323755

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
58	11/03/1993	273,195.06	R4174 12/03/1993	9,171.42	2,969.29
59	11/29/1993	253,887.56	R4242 12/30/1993	7,959.43	2,576.91
60	12/22/1993	223,030.59	R4309 01/26/1994	7,642.31	2,474.24
61	01/31/1994	280,861.05	R4425 03/14/1994	10,547.23	3,414.72
62	02/28/1994	194,882.50	R4480 04/01/1994	7,683.33	2,487.52
63	03/23/1994	192,625.12	R4538 04/26/1994	7,838.86	2,537.87
64	04/29/1994	266,440.07	R4613 05/26/1994	3,579.62	1,158.92
65	05/25/1994	212,948.77	R4708 07/11/1994	3,229.95	1,045.71
66	06/30/1994	163,931.01	R4805 08/16/1994	258.38	83.65
67	08/05/1994	27,378.32	R4855 09/01/1994	74.52	24.13
70	02/27/1995	3,091.35	R5442 03/23/1995	2.54	0.82
71-COMPLETI	10/19/1995	130,000.46	R6119 11/21/1995	-146.82	-47.53
				155,634.96	52,256.01

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REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
58	R4174	Region - Provisional	0.323755
59	R4242	Region - Provisional	0.323755
60	R4309	Region - Provisional	0.323755
61	R4425	Region - Provisional	0.323755
62	R4480	Region - Provisional	0.323755
63	R4538	Region - Provisional	0.323755
64	R4613	Region - Provisional	0.323755
65	R4708	Region - Provisional	0.323755
66	R4805	Region - Provisional	0.323755
67	R4855	Region - Provisional	0.323755
70	R5442	Region - Provisional	0.323755
71-COMPLET	R6119	Region - Provisional	0.323755

Contractor Information

WORK ASSIGNMENT NO.: C03052  
PERIOD OF PERFORMANCE: 7/27/89 to 4/15/94

DESCRIPTION OF WORK: RESPONSIBLE PARTY SEARCH

This work assignment (WA) is a continuation of uncompleted tasks initiated under the Technical Enforcement Support III (TES III ) Contract No. 68-01-7331, Work Assignment no. 311. To assure that there is no duplication of tasks, the contractor will review the TES III project file prior to commencing work on this work assignment

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PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

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This potentially responsible party search will be expanded to include the tasks outlined in Phase I and Phase II below.

PHASE I - TASKS

- 1) Prior to development of the work plan, the contractor will meet with EPA to discuss the requirements of the assignment.
- 2) The Potentially Responsible Party Search Manual dated May 4, 1987, updated August 1987, will be used by the contractor as guidance and frequently referenced to develop the Responsible Party Search report.
- 3) Before developing a structure of the report, the contractor will contact Primary Contact (PC) to discuss the format.
- 4) The contractor will begin the file review where the previous draft Responsible Party Search ended, regarding previous Responsible Party reports, correspondence, and related activities to date.
- 5) A limited deed and title search was conducted and copies of certified deeds, leases, contracts and copies of tax maps were obtained. Provide EPA with the certified copies of the deeds and other relevant instruments of title. Boundaries of the contaminated area shall be drawn to scale on the tax map. A title abstract which clearly delineates dates of ownership and operation will be included.
- 6) To expand the Responsible Party Search, the contractor will obtain additional names and addresses of transporters and generators

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PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

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and a contact person for each of these. Information as the types and quantities of substances transported and/or disposed of at the site will be provided. The contractor will determine the dates that the substances were transported to and/or disposed of at the site and the location on the site where these substances were disposed.

Identify and list the hazardous substances found in the ground water, surface water, leachate, soils, sediments, and sludges at the site. Correlate the generator's/transporter's waste streams with the hazardous substances found at the site.

7) The contractor will obtain additional names and addresses of people knowledgeable of site activities who may be able to identify additional PRPs.

8) Research should be conducted which specifies a company's corporate history to the extent that any name changes, mergers or dissolutions are identified. This information is needed to identify PRPs through company acquisitions, mergers, etc.

9) Relevant records obtained during the course of this research will be placed in a composite chronological file by the contractor. A draft report will be prepared detailing the results of the contractor's research and will include a list of potentially responsible parties with references to supporting documents and other information.

PHASE II TASKS

1) The contractor will prepare 104(e) letters and/or notice letters.

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CDM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

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The contractor will review, analyze, and incorporate into a report the 104(e) letter responses and provide recommendations as to each PRP's liability under CERCLA and/or the need for EPA to request additional information from the PRPs in order to evaluate a PRP's liability.

2) Develop a Potentially Responsible Party list which includes the following information: name of PRP, nature and volume of substances disposed of at the site; years of disposal; list of haulers who took substances to the site. This list should be separated from the Responsible Party Search report.

3) Develop a Correspondence Tracking System to organize the large volume of Potentially Responsible Party information.

4) Based on the above recommendations and the findings of the EPA compliance officer's analysis of the 104(e) letters, copies of incorporation and any applicable amendments should be obtained. The contractor will assess the financial status of a PRP in order to assist EPA in determining the PRP's ability to pay for the investigation and clean up of a site.

5) Submit to EPA interim reports which will show the progress made to the time the interim report is submitted.

6) Mark on the cover of the report that it was prepared in anticipation of litigation.

7) The contractor will prepare summaries of data concerning the volume and nature of waste disposed of at the site and the

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REPORT DATE: 09/06/2000

CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : CLM FEDERAL PROGRAMS CORPORATION

CONTRACT NUMBER : 68-W9-0004

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contributions made by each PRP.

8) All information and the results of any additional research requested by EPA will be incorporated into a final report.

9) At the request of the PC, conduct an industrial survey within a determined radius of the site.

10) Identify and mark the Confidential Business Information (CBI) in the Reference section of the reports.

SUPPORTING DOCUMENTATION: Copy of Work Assignment No. C03052 and Statement of Work; Copies of Work Assignment Amendments No. 1 through 12

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CERTIFIED BY FINANCIAL MANAGEMENT OFFICE

BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : DYNAMAC CORPORATION  
CONTRACT NUMBER : 68-W9-0005  
PROJECT OFFICER : ELAINE K. SPIEWAK  
DATES OF SERVICE : FROM :10/01/1989 TO :07/31/1994  
SUMMARY OF SERVICE : SEE CONTRACTOR INFO. WHICH FOLLOWS LIST OF VOUCHERS  
TOTAL COSTS : \$ 52,023.32

DOCUMENTATION : Copies of Applicable Paid Vouchers and Treasury Schedules

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
12	12/30/1989	93,088.51	R9098 04/20/1990	1,330.60	261.61
12	12/30/1989	93,088.51	R9098 04/20/1990	3,107.00	610.87
10	11/15/1989	84,957.24	R9111 05/09/1990	1,336.57	262.78
11	12/15/1989	43,681.53	R9111 05/09/1990	1,617.02	317.92
13	02/15/1990	64,155.90	R9124 05/29/1990	459.22	90.29
13	02/15/1990	64,155.90	R9124 05/29/1990	1,833.53	360.49
14	03/19/1990	122,612.07	R9124 05/29/1990	785.66	154.47
14	03/19/1990	122,612.07	R9124 05/29/1990	1,475.27	290.05
15	04/10/1990	87,982.22	R9128 06/04/1990	125.44	24.66
15	04/10/1990	87,982.22	R9128 06/04/1990	-104.67	-20.58
16	05/10/1990	132,681.48	R9148 07/02/1990	50.20	9.87
16	05/10/1990	132,681.48	R9148 07/02/1990	12.83	2.52
17	06/15/1990	110,506.13	R9170 08/02/1990	712.72	140.13
18	07/12/1990	131,263.27	R9189 08/29/1990	349.00	68.62
18	07/12/1990	131,263.27	R9189 08/29/1990	874.45	171.93
19	08/14/1990	125,504.90	R9215 10/04/1990	706.56	138.92
19	08/14/1990	125,504.90	R9215 10/04/1990	139.75	27.48
20	09/14/1990	208,497.81	R9229 10/25/1990	-41.63	-8.18
20	09/14/1990	208,497.81	R9229 11/08/1990	2,413.05	474.43
21	10/09/1990	156,097.64	R9250 11/27/1990	380.20	74.75
21	10/09/1990	156,097.64	R9250 11/27/1990	3,432.28	674.82

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
 PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
12	R9098	National- Provisional	0.196611
12	R9098	National- Provisional	0.196611
10	R9111	National- Provisional	0.196611
11	R9111	National- Provisional	0.196611
13	R9124	National- Provisional	0.196611
13	R9124	National- Provisional	0.196611
14	R9124	National- Provisional	0.196611
14	R9124	National- Provisional	0.196611
15	R9128	National- Provisional	0.196611
15	R9128	National- Provisional	0.196611
16	R9148	National- Provisional	0.196611
16	R9148	National- Provisional	0.196611
17	R9170	National- Provisional	0.196611
18	R9189	National- Provisional	0.196611
18	R9189	National- Provisional	0.196611
19	R9215	National- Provisional	0.196611
19	R9215	National- Provisional	0.196611
20	R9229	National- Provisional	0.196611
20	R9229	National- Provisional	0.196611
21	R9250	National- Provisional	0.196611
21	R9250	National- Provisional	0.196611

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BOARHEAD FARMS, PA SITE ID = 03 Y2

REPORT VERSIONS 1,2,4,5,6,7,8,9,10  
PAST COSTS THROUGH JULY 31, 2000

TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
22	10/27/1990	22,146.46	R9275 01/03/1991	383.25	75.35
22	10/27/1990	22,146.46	R9275 01/03/1991	99.70	19.60
23	11/20/1990	52,421.53	R9275 01/03/1991	1,224.24	240.70
23	11/20/1990	52,421.53	R9275 01/03/1991	1,348.87	265.20
24	11/26/1990	195,633.63	R9291 01/28/1991	61.84	12.16
24	11/26/1990	195,633.63	R9291 01/28/1991	980.77	192.83
28	12/29/1990	188,910.86	R9321 03/11/1991	120.14	23.62
28	12/29/1990	188,910.86	R9321 03/11/1991	4,460.15	876.91
25R	12/19/1990	179,995.07	R9326 03/19/1991	23.68	4.66
25R	12/19/1990	179,995.07	R9326 03/19/1991	7,032.71	1,382.71
31	02/13/1990	186,042.57	R9333 03/28/1991	708.22	139.24
32	03/11/1991	179,070.02	R9351 04/23/1991	39.36	7.74
32	03/11/1991	179,070.02	R9351 04/23/1991	45.99	9.04
33R	03/25/1990	28,459.09	R9376 05/29/1991	81.44	16.01
33R	03/25/1990	28,459.09	R9376 05/29/1991	562.61	110.62
34	04/17/1991	236,562.14	R9376 05/29/1991	254.16	49.97
37	07/11/1991	359,255.60	R9432 08/16/1991	199.23	39.17
38	08/12/1991	245,994.74	R1040 09/18/1991	271.03	53.29
39	09/12/1991	307,988.08	R2043 10/22/1991	9,952.59	1,956.79
39	09/12/1991	307,988.08	R2043 10/22/1991	-8,619.57	-1,694.70
39	09/12/1991	307,988.08	R2043 10/22/1991	-1,061.99	-208.80
39	09/12/1991	307,988.08	R2043 10/22/1991	-271.03	-53.29
40	10/16/1991	266,444.18	92124 11/29/1991	1,993.93	392.03
41	11/12/1991	259,350.09	R2168 12/20/1991	101.34	19.92
41	11/12/1991	259,350.09	R2168 12/20/1991	164.15	32.27
43	12/17/1991	380,219.01	92252 02/03/1992	124.45	24.47

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
22	R9275	National- Provisional	0.196611
22	R9275	National- Provisional	0.196611
23	R9275	National- Provisional	0.196611
23	R9275	National- Provisional	0.196611
24	R9291	National- Provisional	0.196611
24	R9291	National- Provisional	0.196611
28	R9321	National- Provisional	0.196611
28	R9321	National- Provisional	0.196611
25R	R9326	National- Provisional	0.196611
25R	R9326	National- Provisional	0.196611
31	R9333	National- Provisional	0.196611
32	R9351	National- Provisional	0.196611
32	R9351	National- Provisional	0.196611
33R	R9376	National- Provisional	0.196611
33R	R9376	National- Provisional	0.196611
34	R9376	National- Provisional	0.196611
37	R9432	National- Provisional	0.196611
38	R1040	National- Provisional	0.196611
39	R2043	National- Provisional	0.196611
39	R2043	National- Provisional	0.196611
39	R2043	National- Provisional	0.196611
39	R2043	National- Provisional	0.196611
40	92124	National- Provisional	0.196611
41	R2168	National- Provisional	0.196611
41	R2168	National- Provisional	0.196611
43	92252	National- Provisional	0.196611

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

VOUCHER NUMBER	VOUCHER DATE	VOUCHER AMOUNT	TREASURY SCHEDULE NUMBER AND DATE	SITE AMOUNT	ANNUAL ALLOCATION
46	02/14/1992	370,844.82	92398 04/03/1992	-171.66	-33.75
50	05/19/1992	93,229.83	R2616 07/06/1992	7.49	1.47
50	05/19/1992	93,229.83	R2616 07/06/1992	180.37	35.46
52	07/09/1992	391,280.50	R2748 08/25/1992	36.31	7.14
54RA	08/26/1992	474,836.66	93081 11/03/1992	36.20	7.12
55RA	09/09/1992	361,522.49	93085 11/04/1992	-36.20	-7.12
57	10/22/1992	66,692.57	R3187 12/14/1992	0.31	0.06
57	10/22/1992	66,692.57	R3187 12/14/1992	-1.46	-0.29
69	07/23/1993	283,720.10	93814 08/24/1993	28.08	5.52
71	09/17/1993	311,624.93	R4055 10/22/1993	-28.08	-5.52
72	09/30/1993	34,483.68	R4095 11/04/1993	0.29	0.06
72	09/30/1993	34,483.68	94095 11/04/1993	-1.35	-0.27
73	10/22/1993	287,370.96	R4147 11/23/1993	41.63	8.18
73	10/22/1993	287,370.96	R4147 11/23/1993	-41.63	-8.18
83	07/27/1994	121,405.50	R4830 08/25/1994	386.98	76.08
83	07/27/1994	121,405.50	R4830 08/25/1994	594.14	116.81
84	08/24/1994	70,896.43	R4916 09/26/1994	247.80	48.72
88	11/28/1994	216,090.50	R5258 01/11/1995	362.48	71.27
88	11/28/1994	216,090.50	R5258 01/11/1995	201.01	39.52
90	10/27/1995	367,719.61	R6145 11/29/1995	166.75	32.78
90	10/27/1995	367,719.61	R6145 11/29/1995	72.62	14.28
90	10/27/1995	367,719.61	R6145 11/29/1995	117.19	23.04
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				43,475.58	8,547.74

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

VOUCHER NUMBER	SCHEDULE NUMBER	RATE TYPE	ALLOCATION RATE
46	92398	National- Provisional	0.196611
50	R2616	National- Provisional	0.196611
50	R2616	National- Provisional	0.196611
52	R2748	National- Provisional	0.196611
54RA	93081	National- Provisional	0.196611
55RA	93085	National- Provisional	0.196611
57	R3187	National- Provisional	0.196611
57	R3187	National- Provisional	0.196611
69	93814	National- Provisional	0.196611
71	R4055	National- Provisional	0.196611
72	R4095	National- Provisional	0.196611
72	94095	National- Provisional	0.196611
73	R4147	National- Provisional	0.196611
73	R4147	National- Provisional	0.196611
83	R4830	National- Provisional	0.196611
83	R4830	National- Provisional	0.196611
84	R4916	National- Provisional	0.196611
88	R5258	National- Provisional	0.196611
88	R5258	National- Provisional	0.196611
90	R6145	National- Provisional	0.196611
90	R6145	National- Provisional	0.196611
90	R6145	National- Provisional	0.196611

Contractor Information

WORK ASSIGNMENT NO.: C03041

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

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PERIOD OF PERFORMANCE: 09/02/89 TO 11/20/90

DESCRIPTION OF WORK: FIELD WORK

Several allegations have been made that drums containing hazardous substances were buried at the Boarhead Farms Site. These allegations have not been investigated via field work as yet. This work assignment will require the performance of a magnetometer survey, along with additional geophysical techniques if found to be necessary, to determine if buried drums exist at the site. Should geophysical methods prove inconclusive due to site interferences, boring or excavation techniques may need to be considered.

Work to be Performed:

- (1) The contractor will review the attached documentation and plan to meet with the EPA Remedial Project Manager (RPM) to visit the site for reconnaissance work.
- (2) Following the site visit, the contractor will prepare a brief work plan for the performance of geophysical work to identify the possible existence, location and depth of buried drums.
- (3) The contractor and contractor personnel chosen to perform the work in this assignment must be experienced in and fully knowledgeable of the operation of geophysical equipment used to locate buried drums. At this point, a magnetometer survey should be planned for.
- (4) The contractor will prepare a Health & Safety Plan and a Quality Assurance Plan, as necessary.

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : DYNAMAC CORPORATION

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(5) During field activities, the contractor will make every effort to determine the areal extend and depth of the buried containers, if found.

(6) Within two weeks of completion of field work, the contractor will prepare a draft report discussing the results of the geophysical study.

Potential Phase II Work:

Should geophysical methods provide inconclusive data, the contractor must be prepare to plan for and possibly conduct earth displacing activities (i.e. test pits, borings, etc.) to conclusively determine the existence or non-existence of buried drums. This task should be presented in a Phase II work plan proposal (if necessary) following the completion of geophysical work. A separate Health & Safety Plan may accompany this work plan due to the potentially dangerous work involved.

WORK ASSIGNMENT NO.: C03042  
PERIOD OF PERFORMANCE: 10/17/89 to 02/07/92

DESCRIPTION OF WORK: SAMPLE ANALYSIS

As a result of recommendations proposed by EPA's Removal Contractor, this assignment will require the sampling and analyses of residential wells potentially affected by the Boarhead Farms Site. Samples will be collected on a quarterly basis as an initial measure but may decrease



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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

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in frequency as analytical data is collected and hydrogeologic information is obtained. Individual wells will be added or deleted and the frequency of sampling will be revised as results are reviewed and evaluated.

Work to be Performed:

- (1) The contractor will obtain all residential sampling data collected by EPA to date for the site.
- (2) The residential well locations will be indicated on a blueprint map prepared by the contractor.
- (3) The contractor will assign a trained hydrogeologist to review the geologic data available for the site existing in EPA's files. The hydrogeologist will work with the site RPM to select residential wells, based on site hydrogeology and past analytical data, which are considered to have the highest chance of being affected by site contamination. The selected wells will be sampled in the initial sampling event.
- (4) During the initial sampling event, residential water will be sampled for TCL volatile organic compounds and TAL inorganics.
- (5) During the initial sampling event, two samples will be collected for TAL inorganics from selected residences.
- (6) At this time, preliminary information suggests that the presence of arsenic, iron and manganese in groundwater samples may be due to site geology. If technically sound, selected residential well water will have both unfiltered and filtered samples collected for specific

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

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inorganics analyses in an attempt to determine if the metals' presence is related to site geology or occurs as a result of man-made contamination.

(7) Just prior to sample collection, the contractor will attempt to determine home water usage by residents for several hours prior to contractor arrival. If water usage from any individual tap had been excessive, the contractor will avoid this tap for collection of the second sample.

(8) The contractor will provide a diagram for each home which indicates the house sampling points, will document any problems or notable observations and will attempt to determine the type of house plumbing, number of home residents, and extent of water useage prior to sample collection.

(9) Due to the history of limited inorganic contamination of residential wells, the contractor will obtain and review geologic literature for Bucks County, PA to determine if certain inorganics (i.e. iron, arsenic, manganese) may be due to the geologic formation.

(10) At the completion of each residential sampling event the contractor will perform the following:

- update the table and map
- submit field notes to the RPM
- submit a preliminary one page table of non QA'd sampling results
- within one week of receipt of QA/QC deliverables, the contractor will submit a narrative report outlining the sampling event.

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TECHNICAL ENFORCEMENT SUPPORT (TES) CONTRACT COSTS

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CONTRACTOR : DYNAMAC CORPORATION

CONTRACT NUMBER : 68-W9-0005

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SUPPORTING DOCUMENTATION: Copy of Work Assignment No. C03041 and  
Statement of Work; Copies of Work Assignment Amendments No. 1 through 3

Copy of Work Assignment No. C03042 and Statement of Work; Copies of Work  
Assignment Amendments No. 1 through 3

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